

FILE 'CAPLUS, MEDLINE, BIOSIS, CA, SCISEARCH, EMBASE' ENTERED AT 13:57:16
ON 03 JUL 2002

L2 8229 S ANTI (W) HLA
L3 1242337 S IDENTIFY OR DETECT
L4 0 S L2 (W) L3
L5 391 S L2 (S) L3
L6 840242 S RECOMBINANT
L7 245 S L2 (S) RECOMBINANT
L8 0 S L7 AND IMMUNOASSAY
L9 201 S ELIZA
L10 0 S L7 AND L9
L11 11 S L5 (S) L6
L12 4 DUPLICATE REM L11 (7 DUPLICATES REMOVED)
L13 1771 S ANTI (W) MHC
L14 81 S L13 (S) RECOMBINANT
L15 0 S L14 AND IMMUNOASSAY
L16 0 S L14 AND ELIZA
L17 1943 S L2/TI
L18 31 S L17 AND L6
L19 15 DUPLICATE REM L18 (16 DUPLICATES REMOVED)

ANSWER 1 OF 3 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Detection of HLA antibodies using single recombinant HLA alleles.

SO Human Immunology, (1999) Vol. 60, No. SUPPL. 2, pp. S9.

Meeting Info.: 25th Annual Meeting of the American Society for
Histocompatibility and Immunogenetics New Orleans, Louisiana, USA October
20-24, 1999 American Society for Histocompatibility and Immunogenetics
. ISSN: 0198-8859.

AU Barnardo, Martin (1); **Harmer, Andrea**; Shaw, Olivia; Ogg, Graham;
Bunce, Mike; Vaughan, Robert; Welsh, Ken

L7 ANSWER 8 OF 16 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 7
TI A novel, highly efficient peptide-HLA class I binding assay using unfolded heavy chain molecules: identification of HIV-1 derived peptides that bind to HLA-A*0201 and HLA-A*0301
AB A novel cell-free, highly automated peptide-HLA binding assay has been designed during which a mixt. of unfolded recombinant HLA heavy chain mols., .beta.2-microglobulin and a fluorescent labeled std. peptide is allowed to form peptide-HLA complexes. The binding of a peptide of interest is monitored as the ability to inhibit the formation of fluorescent peptide-HLA complexes. The assay was validated using published, known HLA-A*0201 and HLA-A*0301 binding peptides. In addn. a selected set of HIV-1LAI reverse transcriptase derived 10-mer peptides, that had been selected on the basis of HLA-A*0201 or HLA-A*0301 binding motifs, were tested for HLA-A*0201/A*0301 binding. In that set the authors identified 8 peptides which bound with high affinity to HLA-A*0201 and 5 peptides which bound with high affinity to HLA-A*0301. The major **advantage** of the use of denatured **heavy chain** is the improved economy and efficiency, as unfolded protein material is in principle easily accessible by **recombinant** technol.
SO Journal of Immunological Methods (1997), 205(2), 201-209
CODEN: JIMMBG; ISSN: 0022-1759
AU Tan, T. L. Raoul; Geluk, Annemieke; Toebes, Mireille; Ottenhoff, Tom H. M.; Drijfhout, Jan W.